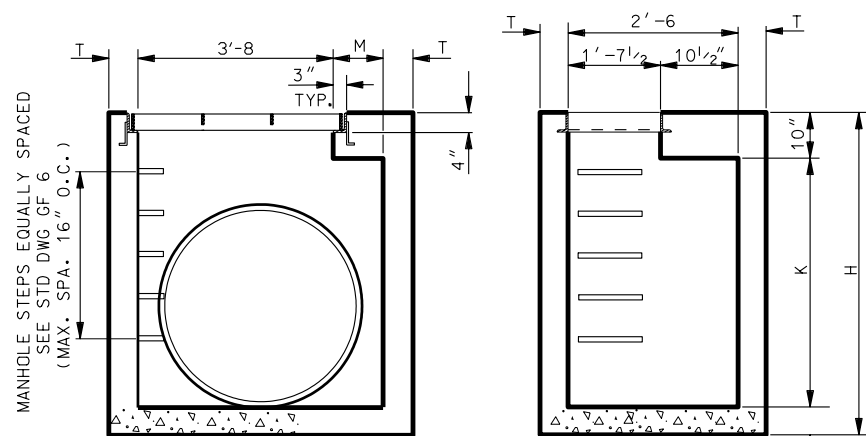
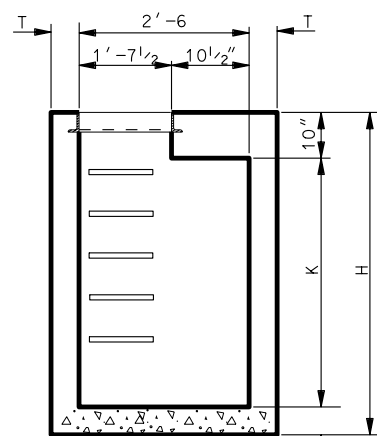


PLAN

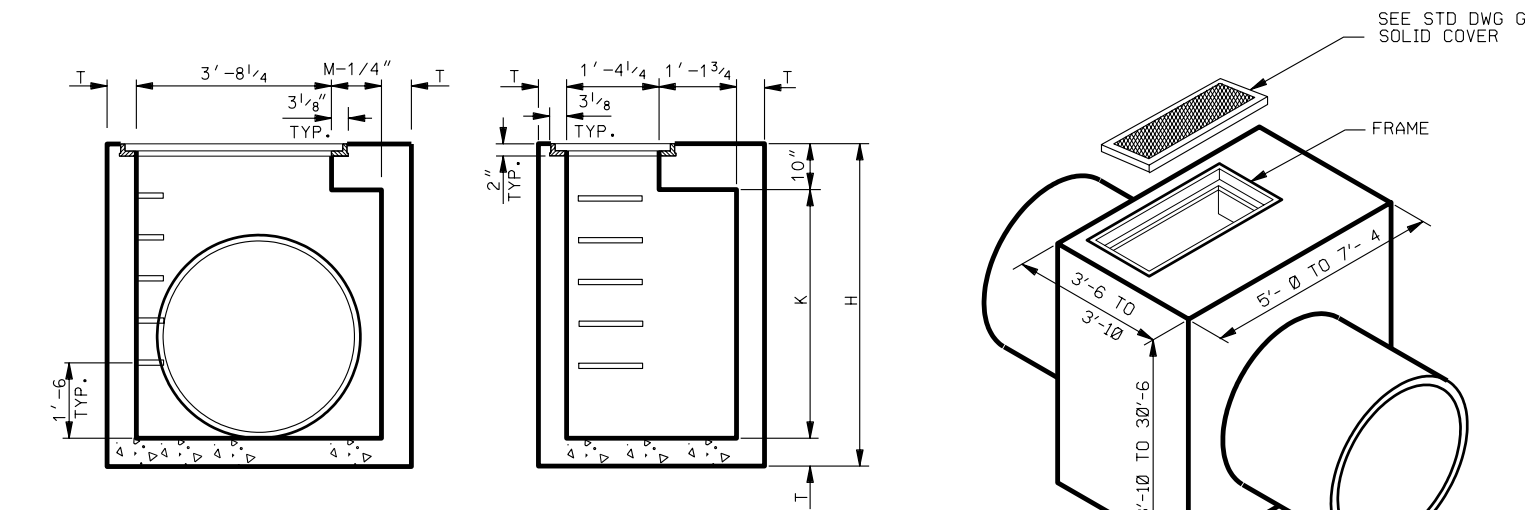


SECTION A-A



SECTION B-B

CATCH BASIN
GRATE AND FRAME APPLICATION



SECTION A-A

SECTION B-B

CLEANOUT BOX
SOLID COVER APPLICATION

GENERAL NOTES FOR CB 10A TO CB 10C

1. USE COATED DEFORMED BILLET REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. USE TYPE II CEMENT (LOW ALKALI) UNLESS SPECIFIED OTHERWISE.
3. CHAMFER ALL EXPOSED CORNER $\frac{3}{4}$ " EXCEPT WHERE NOTED OTHERWISE.
4. USE CONCRETE CLASS AA(AE) FOR ALL CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.
5. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
6. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 36 EXCEPT WHERE NOTED OTHERWISE.
7. SEE STD DWG GF 3 AND GF 5 FOR GRATING, FRAME AND SOLID COVER DETAILS.
8. SEE ROADWAY PLANS FOR DETAILS OF INSTALLATION, INCLUDING LOCATION OF UNITS NUMBER OF UNITS REQUIRED, TYPE OF UNITS, SIZE AND LOCATION OF PIPE(S).
9. FOR CURB & GUTTER APPLICATIONS ADJUST FINISH GRADE ELEVATION OF BOX AS REQUIRED. INCLUDE CONCRETE QUANTITIES FOR CURB & GUTTER IN ROADWAY QUANTITIES.
10. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.

DESIGN DATA

HS-20-44 OR INTERSTATE ALTERNATE MILITARY LOADING IN ACCORDANCE WITH CURRENT AASHTO AND INTERIM SPECIFICATIONS.

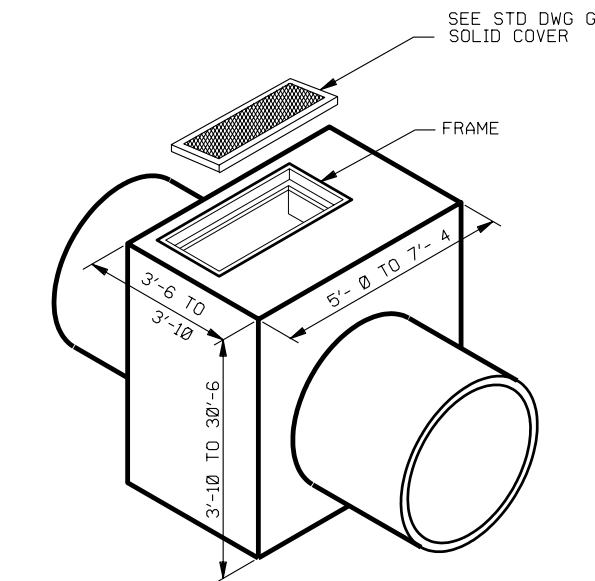
CAST-IN-PLACE STRUCTURAL CONCRETE: $F_c = 1,400$ psi $n = 8$
REINF. STEEL: $F_s = 24,000$ psi
STRUCTURAL STEEL: $F_s = 20,000$ psi

QUANTITIES

STRUCTURAL CONCRETE] SEE SCHEDULE OF INSTALLATION
REINFORCING STEEL]

INDEX OF SHEETS

- (CB 10A) 1- SITUATION & LAYOUT
(CB 10B) 2- SECTION DETAILS
(CB 10C) 3- SCHEDULE OF INSTALLATION
FOR 42"-60" RCP. 48"-72" CMP.



UTAH DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL

JAN.01.2005

DATE

JAN.01.2005

DATE

STANDARD CATCH BASIN
AND CLEANOUT BOX
SITUATION AND LAYOUT

STANDARD DRAWING TITLE

STD DWG
CB 10A

REVISIONS

REMARKS

NO. DATE APPR.